

# Pipe Specifications

1. All pipe is to be made of a long hole, surrounded by metal, plastic concrete, clay or ceramic material around the hole.



# Pipe Specifications



2. All pipe is to be hollow throughout the entire length – do not use holes of different length than the pipe.

# Pipe Specifications

3. The inside diameter of all pipes must not exceed their outer diameter – otherwise the hole will be on the outside.

# Pipe Specifications

4. The pipe is to be supplied with nothing in the hole, so that water, wastewater, steam or other stuff can be put inside at a later date.





# Pipe Specifications

5. All pipe is to be supplied without rust; this can be more readily applied at the job site.



# Pipe Specifications

6. Some vendors are now able to supply pre-rusted pipes. If available in your area and if rust is desired, this product is highly recommended, as it will save a great deal of time at the job site.



# Pipe Specifications

7. All pipe over 500 ft (150 m) in length should have the words "LONG PIPE" clearly painted on each side and end, so that the contractor will know it's a long pipe.







# Pipe Specifications

8. Pipe over 2 miles (3.2 Km) in length should have the words “VERY LONG PIPE” clearly painted in the middle, so that the contractor will not have to walk the entire length of the pipe to determine whether it is a long or a short pipe.



# Pipe Specifications

9. All pipe over 6 ft (1.83 m) in diameter should have the words “LARGE PIPE” clearly painted on it, so that the contractor won’t mistake it for a small pipe.



# Pipe Specifications



10. Flanges must be used on all pipes. Flanges must have holes for bolts, quite separate from the big hole in the middle.

# Pipe Specifications



11. When ordering  $90^\circ$  or  $30^\circ$  elbows, be sure to specify left-hand or right-hand, otherwise you will end up going the wrong way.



# Pipe Specifications

12. Be sure to specify to your vendor whether you want level, uphill or downhill pipe. If you use downhill pipe for going uphill, the water will flow the wrong way.



# Pipe Specifications

13. All couplings should have either right-hand or left-hand threads, but do not mix the threads, otherwise as the coupling is being screwed on to one pipe, it is being unscrewed from the other.



# Pipe Specifications

14. All pipes shorter than 1/8 inch (3 mm) in length are expensive to use, requiring many joints. They are generally known as washers.





# Pipe Specifications

15. Joints in pipes for water must be water tight. The pipes for vacuum or compressed air, however, need only be air tight.



# Pipe Specifications



16. Lengths of pipes may be welded or soldered together. This method is not recommended for concrete or earthenware pipes.

# Pipe Specifications

17. Other commodities are often confused with pipes. These include conduits, tubes, tunnels, drains, and tobacco pipes. Use only genuine pipes.

